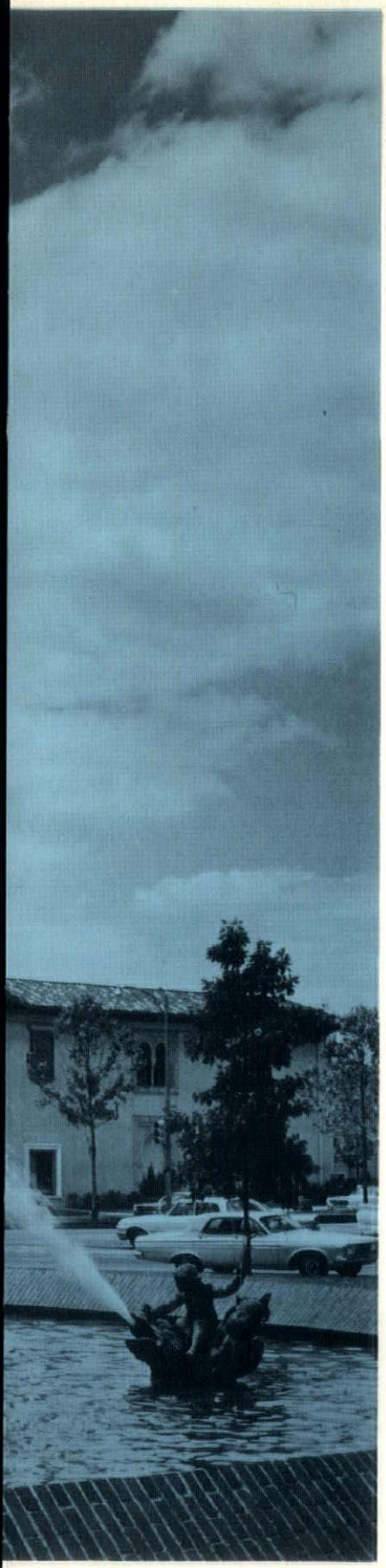

MISSOURI ARCHITECT

AMERICAN INSTITUTE
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President's Letter

Dear Members:

The process of merging MARA into MCA continues. The legal steps are not difficult but do appear time-consuming. Counsel, John Burruss, is handling the matter in his usual skillful way. It is anticipated that the merger will be an item of fact in the very near future. Most certainly by the time of Architect's Day in late May.

The advantages of our change in status to become affiliated with the American Institute of Architects are just beginning to become known. Your President was invited to attend the Central States A.I.A. Regional Council meeting held in Kansas City on March 7. Participation in regional activities will be a continuing duty. And it brings advantages. Without going into detail, because space is too limited, I can report that the topics for discussion offer meaning, value and direction for your Board and Officers. The broader base and greater resources of the A.I.A. will provide a wealth of assistance and vital information for our guidance. Knowing the feeling, attitude and experience of the Regional Chapters will help in the development of programs best geared to suit our needs. And our sentiments and policies may be of use to others. This exchange can only benefit the profession.

Discussion at the Council meeting included Public Relations, Inter-Professional Activities, Organization Fund Structures and Dues Sources, Conferences, Programs, Meetings, Seminars, etc. A report on this Regional Council meeting will be made to the Board at its next meeting that all may benefit from the participation.

This page shouldn't close without a final word concerning Architect's Day. This year the program, aside from our essential business sessions, is set up to be a "Fun Time." Kansas City offers a great number of facilities geared to leisure time activity. We are all interested in breaking away from the cares of our professional duties at times. When better than on a soft spring evening in Kansas City? Friday night's social activity promises to be "something." The Ladies Program for Saturday should keep them well occupied and happy. And on Saturday night, a dinner-dance caps the affair. Exact program details should reach you shortly.

Kenneth E. Coombs
President

VOLUME 17 APRIL, 1970 NO. 2

The Editor Observes:

This being my fourth and final edition as Editor of the *Missouri Architect*, I would like to commend our fine Executive Director, Wendell Locke, for his excellent job in publishing this voice of the Missouri Architect. Believe me it could be even better with more participation on the part of the membership. Now that our Counsel, John E. Burruss, Jr., has been instructed by our Board, "to proceed immediately with the merger of MARA with MCA", the *Missouri Architect* should take on an even more important role. Each Chapter should take advantage of this publication, which has managed to maintain a record of being financially self-supporting, over the years. This has not always been the case with Chapter publications.

It is my understanding that something new took place Saturday, March 7, 1970. The Central States AIA Region, under its Director, Floyd Wolfenbarger, had a Central States Grassroots all day meeting in Kansas City. This is a first to my knowledge. This type of exchange of information should be very beneficial to all involved.

Some of you have read in my last issue observations I made regarding the computer and its effect on all of us. In a recent investment publication it was reported that Holiday Inns has the world's largest non-military computerized communication system, with satellite relays overseas. Holiday Inns also has one of the few automatic drafting systems in the country, for computerized drawing of architectural plans. If the above really works, it could require some different thinking on our part. At any rate, in order to keep abreast of the rapidly changing technology, more exchange of information, and some sort of a little better organization, will be required of the Architects than has been necessary in the past.

Two members of our group have become involved with what I would call real good duty. Mr. George Kassabaum has sent brochures to all the corporate members of the AIA for a Japanese-American Symposium on Architecture and Urban Design, August 14-29. Mr. Herb Duncan and his wife are to be trek leaders for a Central States District AIA Grand Trek to Japan and Expo '70 leaving Kansas City, May 13, 1970.

In addition to those two opportunities, there is to be a reconvened AIA meeting in London, England, involving Flight A leaving Boston, June 27 for 8 days with side trips in Europe and Flight B, a 16 day trip with side trips from London to points of interest in Europe. For the Architects that have the money and have not yet been replaced by the computer, it looks like some excellent opportunities for travel.

Again I want to express my appreciation to the Board, the Executive Director and the membership in serving you as your editor this past year. At this point I am looking forward to a fine annual meeting of MARA-MCA at the Plaza Inn in Kansas City, weekend of May 23, 1970. Dick Schuetz is the chairman of the Annual Meeting Committee with Kenneth McCall, Board Liaison. This should prove to be a very interesting meeting in view of the new merger. See you in Kansas City.

Hal Hawkins
MARA — MCA — AIA

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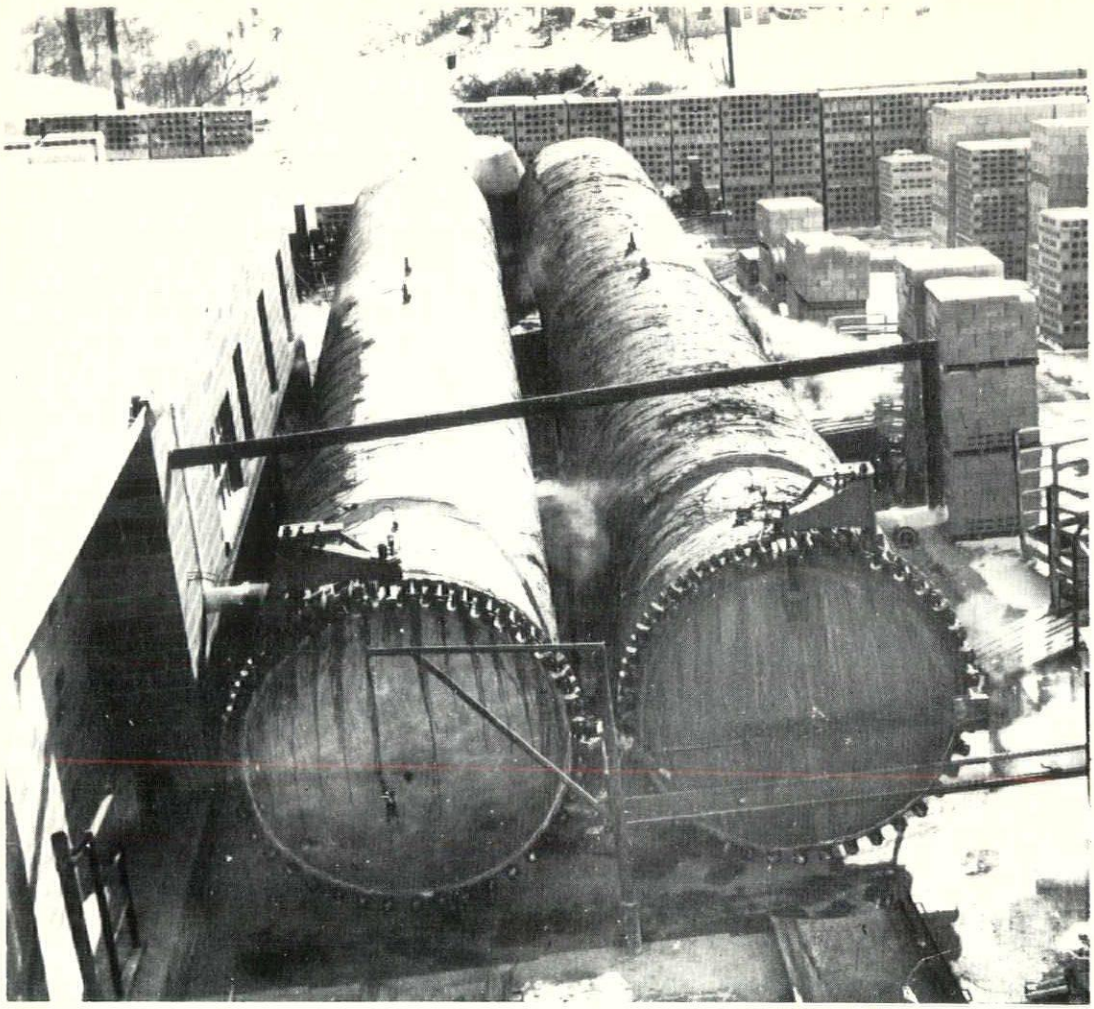
MISSOURI ARCHITECT

Editor — Hal W. Hawkins

Staff — Wendell E. Locke

The MISSOURI ARCHITECT is published quarterly at 308 E. High St., Jefferson City, Missouri 65101, by the Missouri Association of Registered Architects. Second Class postage paid at Jefferson City, Missouri. Subscription rate is $1.50 per year. Mailing address: Missouri Architect, P.O. Box 401, Jefferson City, Missouri 65101.

THE COVER — Shown on the cover is the J. C. Nichols Fountain at the famed Country Club Plaza. The Plaza is a unique shopping adventure for the visitor who discovers beautiful specialty shops with fashions and accessories to please the discriminating.



CITY BLOCK AND PRODUCTS CO., has recently installed 2 vessels 80 feet long by 8 feet in diameter for high pressure steam curing masonry units.

For the first time in the Kansas City area you can now have **PRE SHRUNK BLOCKS** in one day's time.

Blocks are cured for 8 hours at a temperature of 360° F. under pressure of 150 lbs. P.S.I.
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Suggested specifications have been mailed to all architects.

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. . . Architect's Day Program Planned

Architect's Day Chairman, Richard J. Schuetz, announces plans for Architect's Day 1970 are nearing completion.

The annual meeting, to be held May 22-24 at the Plaza Inn, Kansas City, is doubly significant this year for it marks the transition from MARA to MCA, the Missouri Council of Architects.

On the business meeting agenda will be the election of officers for the new corporation, along with committee reports and reports on other activities the past year.

Also, Chairman Joseph J. Oshiver will present an award to the winner of this year's student design competition.

Tentative program for the annual meeting is as follows:

ARCHITECT'S DAY PROGRAM
May 22-24, 1970
Plaza Inn, Kansas City, Mo.

FRIDAY, MAY 22

4:00 p.m. — Board Meeting
4:00 p.m. — Registration
7:30 p.m. — Reception (Cash Bar)

SATURDAY, MAY 23

8:00 a.m. — Registration
9:00 a.m. — Business Meeting
President Kenneth E. Coombs, Presiding
President's Report —
Kenneth E. Coombs
Minutes —
Gerhardt Kramer, Secretary
Treasurer's Report —
C. Wynn Brady, Treasurer
Missouri Architect Report —
Hal W. Hawkins, Editor
Executive Director's Report —
Wendell Locke
Counsel's Report —
John E. Burruss, Jr.
10:30 a.m. — Coffee Break
10:50 a.m. — Committee Reports
1:00 p.m. — Luncheon
Welcome —
Mayor Ilus Davis, Kansas City
Afternoon — Slide Presentation of Kansas City Architure
Tour of International Airport
Tour of Kansas City Sports Complex (possibility)
6:00 p.m. — Social Hour
7:30 p.m. — Banquet
Presentation of Student Awards —
Chairman Joseph J. Oshiver
Introduction of New Officers —
Kenneth E. Coombs
Entertainment!

SUNDAY, MAY 24

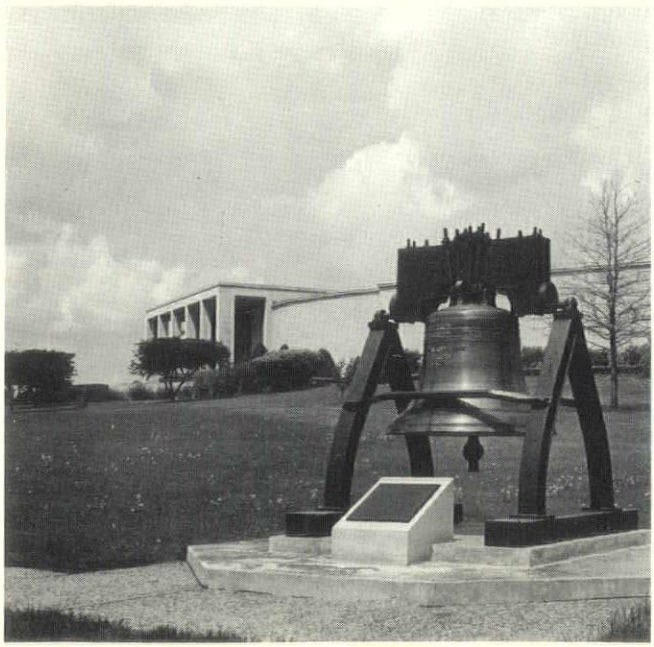
10:00-11:00 — Brunch

LADIES PROGRAM

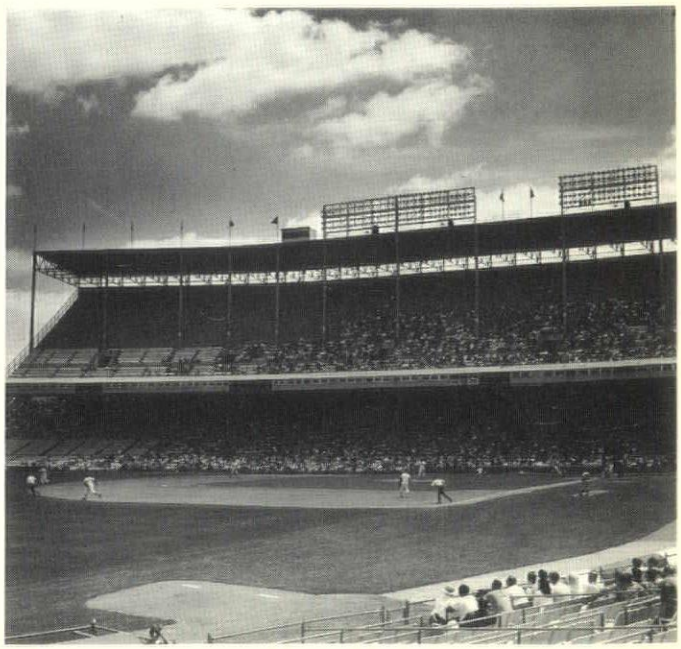
SATURDAY, MAY 23

Morning — Tour of Nelson Art Gallery (Within Walking Distance of Hotel)
Noon — Lunch at Nelson Art Gallery
Afternoon — Shopping on the Plaza
Evening — Rejoin Men for Social Hour and Banquet

The Harry S. Truman Library is within easy driving distance from the convention hotel.



Architects will have the opportunity to see the Kansas City Royals in action during the convention weekend.



. . . MARA Board Meets

At a February 20th meeting the MARA Board of Directors considered the production of a brochure for high school students interested in a career in architecture, asked for changes in the By-Laws, and established the procedure for billing of dues through the AIA chapters.

BROCHURE FOR STUDENTS

Education and Awards Committee Chairman, Joseph J. Oshiver, reported that in his contacts with students and schools in connection with the annual student award competition, it was apparent that high school students in many cases received little or no counseling on a career in architecture. It was his recommendation that the organization prepare an inexpensive brochure to assist in providing guidance to these students and he accepted the assignment of preparing a proposal and copy for such a brochure.

BY-LAWS CHANGES ASKED

The need for two changes in the Mo. Council of Architects By-Laws received the attention of the Board. Assigned to the By-Laws Committee for drafting were proposals to change the organization's fiscal year to a calendar year so it would coincide with dues payments, and to change the annual meeting date and election of officers to conform with similar dates and elections of the local and national chapters.

DUES BILLING MAY 1ST

The state office was instructed by the Board to send each of the three AIA chapters, on May 1st, a list of all corporate and professional associate members who have paid their $10 state dues direct to the state office.

Under the MCA By-Laws, each AIA chapter is to collect the $10 annual state dues from its members and forward them to the state office. However, financial needs of the state organization made it necessary this year to bill the members direct and 350 of these payments have been received.

For this reason, the Board requested the state office to send each chapter a roster of the members who have paid so they will not be billed twice for 1970 dues.

HOW MANY DO YOU RECOGNIZE? This photograph of original MARA Board of Directors was sent in by Irwin Dunbar. He writes that in going through his files he ran across the picture and thought we might like to see who some of the original Board of Directors were.

. . . Chairman Oshiver Develops 1970 Student Award Program

Education and Awards Committee Chairman, Joseph J. Oshiver, has the 1970 student award competition well underway. This year's program, which offers a $300 scholarship to the winner, calls for the design of a suburban residence.

Information on the contest has been mailed from the MARA office to all Missouri high schools.

Here is the 1970 program:

A SUBURBAN RESIDENCE

In order to properly set the scene for this year's program it becomes necessary to provide the student with enough information to serve as background to his design. The student will therefore forgive this organization for a rather lengthy program.

PROGRAM

Mr. and Mrs. Jack Warner have decided to build a new home for themselves and their three children. The children consist of Michael (Age-12), Karen (Age-10) and Eric (Age-7).

The Warners are presently living in one of the several old neighborhoods of a midwestern city that has grown since World War II to a population of 250,000. Their present home was built approximately 40 years ago and they have been living in it for the past 14 years, ever since they were married in 1955. The old house provided them with adequate space to start a family and certain conveniences relative to Mr. Warner's growing business of designing, selling and installing stereo, television and high fidelity electronic equipment.

The development of new suburban communities within the past ten years has made it profitable for Mr. Warner to move his business to one of these new areas. Now that he has relocated his business and found it to be growing successfully, he wishes to relocate his family close by.

A reputable developer of residential properties has established a new neighborhood. By means of careful platting and the preservation of scenic wooded areas and green spaces, the developer has provided each home owner with lots that offer sharing of rear yard facilities. Winding paths, recreation equipment, picnic and cook-out areas are then immediately adjacent and made available to the abutting lots. Every effort has been made to provide a landscape that is more than streets and driveways.

The Warners have chosen a lot within this neighborhood, which relates them well to the business district, is within walking distance to an elementary and junior high school and only a short drive to the senior high school and the neighborhood shopping center. They wish to build a home which will accommodate their growing children through the high school ages and, therefore, they plan to live in it for a minimum of ten years.

Mr. and Mrs. Warner are young in spirit, fashionable, and like to entertain informally. Mr. Warner has a large record and tape collection and would especially like to show off a stereo-TV installation. Mrs. Warner considers herself a gourmet cook and wants a kitchen that will be efficient and a pantry for storage. The children also like to have friends visit and sometimes stay overnight. There is every indication that the high school years will be busy ones for the Warner family.

The Warners have selected you as their architect and in addition to the above information have provided you with a map of the development, a survey of their property and the following minimum space requirements:

Living-dining area, family room, kitchen and pantry, master bedroom, 3 bedrooms (one for each of their children), 2 full bathrooms, adequate storage throughout, a full basement and a 2 car garage.

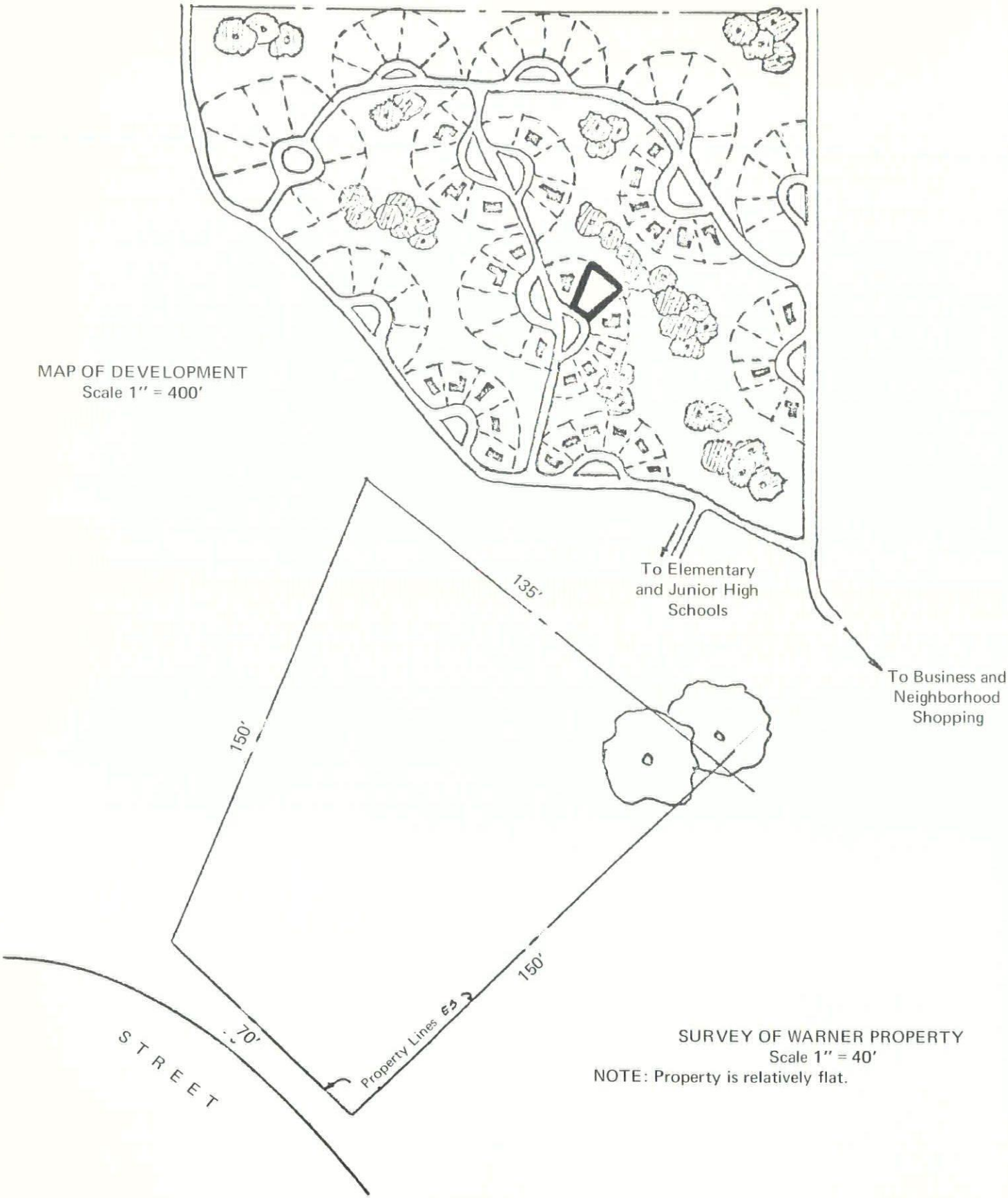
The Warners have made it clear to you that the above space requirements are minimum and that every effort is to be made to accommodate them with a plan that will serve them well for the next 10 years and a design that will provide them with an attractive home.

Zoning code requires a minimum setback of 25 feet from the property line running parallel to the street and a minimum of 15 feet from the side property lines; and the rear yard property line is left open because of the open space.

PRESENTATION REQUIREMENTS

You, as the architect, have informed the Warners that you will first provide them with preliminary drawings which will express your ideas as to plan and design; that working drawings will follow at a later date after these drawings are approved.

All drawings will be done on a single 20"x30" white illustration board, medium weight.
Plot plan at a scale of 1" = 20'
Plan or plans at a scale of 1/8" = 1'-0"
Perspectives and/or elevations at a convenient scale.
Any medium may be used.
Label the board: A SUBURBAN RESIDENCE — M.A.R.A. STUDENT AWARD PROGRAM 1970.
The student's name and address must be placed in a sealed envelope and attached to the back of the board.


MAP OF DEVELOPMENT
Scale 1" = 400'
To Elementary
and Junior High
Schools
To Business and
Neighborhood
Shopping
135'
150'
150'
70'
STREET
Property Lines
SURVEY OF WARNER PROPERTY
Scale 1" = 40'
NOTE: Property is relatively flat.

"HABITAT HOUSING" TOPIC OF WASHINGTON UNIVERSITY SEMINAR

Moshe Safdie, famed architect whose work at Montreal Expo '67 has been acclaimed as a breakthrough in its field, will present the fourth in a series of design seminars at Washington University, Saturday, May 9. Safdie will discuss procedures, techniques and problems encountered in the design and execution of the renowned "Habitat" housing complex at Expo '67.

The seminar, sponsored by the University's Schools of Architecture and Continuing Education, is designed to give architects, planners and other professionals an opportunity to learn about Safdie's work first-hand, and to discuss design and implementation.

Safdie, who received a Bachelor of Architecture degree with honor in 1961 from McGill University, is currently in private practice in Montreal. He has worked with Van Ginkel Associates, and Louis I. Kahn in Philadelphia before working as section head, architect and planner for the Canadian Corporation for the 1967 World Exhibition. Among his firm's present projects are: a student center for San Francisco State College; a moderate income community of 800 housing units in Puerto Rico; a 500-acre summer and ski resort in Saranac Lake, N.Y.; and Habitat Israel, a building system contracted with Israel's Ministry of Housing.

For more information or to register for the seminar, write Washington University's School of Continuing Education, Box 1099, St. Louis, Mo. 63130, or call 314-863-0100, ext. 4261.

CARTHAGE MARBLE ANNOUNCES CHANGE IN OFFICERS

Carthage Marble Corporation, Carthage, has announced a change in officers. Officers now are: Roy E. Mayes, Sr., Chairman of the Board; Minford E. Potter, Chairman of the Finance Committee; Thomas E. Taylor, Chairman of the Executive Committee; Roy E. Mayes, Jr., President; E. Elliott Potter, Executive Vice President; Charles T. Yarbrough, Vice President of Marketing; Otis A. Buck, Vice President of Marble Division and Secretary; D. Gordon Laughlin, Treasurer; Arnold F. Workizer, Vice President of Crushed Products Division; Wm. M. Christy, Vice President of Installation and Stock Control Division; and Mario A. Dell' Amico, General Manager of Import Department.

DRAKE PARTNERSHIP PROMOTES

The Drake Partnership, Architects has announced the promotion of Kenneth Lee Ernst and Stanton J. Gralnick to the position of Associate Architects. Previously, both were Planning Architects in the firm's Planning Department.

Architect's Day from page 5

A plus factor of the annual meeting is the locale, which offers a multitude of places to see and things to do. Baseball fans will be interested in the fact that the Kansas City Royals play California the evening of May 22nd and Seattle the afternoon of May 24th, at the Kansas City Municipal Stadium.

Kansas City also offers a wealth of restored historical structures of especial interest to the architect. Notable among these are:

The Coates House. A fine example of a late 19th century hotel. It was built by Kersey Coates, prominent early Kansas Citian who also erected an opera house across the street from it.

Liberty Jail. This old prison housed in a modern shrine built by the Church of Jesus Christ of Latter Day Saints, once held Mormon prophet Joseph Smith and several of his followers during the winter of 1838-39. The original floor, door and part of foundation is intact. The remainder has been restored.

Wornall Home. Built in 1858 by John B. Wornall, Sr., this early day social center was used as a hospital during the battle of Westport.

Grinter House. Now a museum, it was built by Moses Grinter in 1857. It has been restored and is one of the few in the area recorded in the Library of Congress.

Rice Cabin. Built in 1821 just after Missouri was admitted to the Union, the cabin and the Rice House, built in 1844, stand as examples of the sturdy construction of the 19th century.

Also of interest is the Harry S. Truman Library, located at nearby Independence, and the Truman Home, the summer White House during the Truman administration. The latter was built in 1862 by Mrs. Truman's grandfather.

It should be mentioned that the Plaza Inn is located in the famous "Plaza District" which features fine homes, elegant landscaping and statuary reminiscent of Old World culture.

And, ladies, don't overlook the fabulous shopping on the Plaza!

Penn Valley Park, at Pershing Road and Main, Kansas City, features daily concerts at the world's second largest carillon in the Liberty Memorial.

. . . EXPO '70 Progress and Harmony

A super show for an anticipated 40 million people will be presented to the visitor to EXPO '70. Already included in the list of highly accredited world expositions (Paris, Brussels, Montreal), The Year of Japan promises to be a universal search for harmony between man and man, man and his environment, nation and nation.

The Symbol Area summarizes the theme of the Osaka Exposition: Progress and Harmony for Mankind. The towers of Motherhood and Youth symbolize man's evolution and his ceaseless energy, while the Tower of the Sun is a journey into man's progress — past, present and future. The central theme of Progress and Harmony is directed by a fuller enjoyment of life, the conservation of his resources, the use of technological knowledge so it will not dehumanize man, and a better understanding of his fellow man. More than 80 pavilions and hundreds of exhibits reflect these themes in the hopes that man will gain a better understanding of his world.

A highlight of the Symbol Area will be the EXPO Museum of Fine Arts, where more than 750 works of art from around the world will be displayed, including five tapestry drawings by Raphael on "The Life of Jesus Christ and Acts of His Apostles" from the Vatican. National festivals and entertainment will attract the visitor to the Omatsuri (Festival) Plaza and Floating Stage.

From March 15 through September 13, dozens of nations will entertain with national dances, symphonies, plays, musicals, and even the Miss Universe parade.

Elevated moving roads and a monorail will take the visitor from the Symbol Area to the exhibitions and pavilions. A 41-acre Expoland has been designed to entertain the children. More than 63 acres have been devoted to the art and development of the famous Japanese gardens, and an International Bazaar will tempt the visitor with food, souvenirs and treasures from around the world. Plazas named after the seven days of the week will give the visitor a place to rest and literally watch the world walk by.

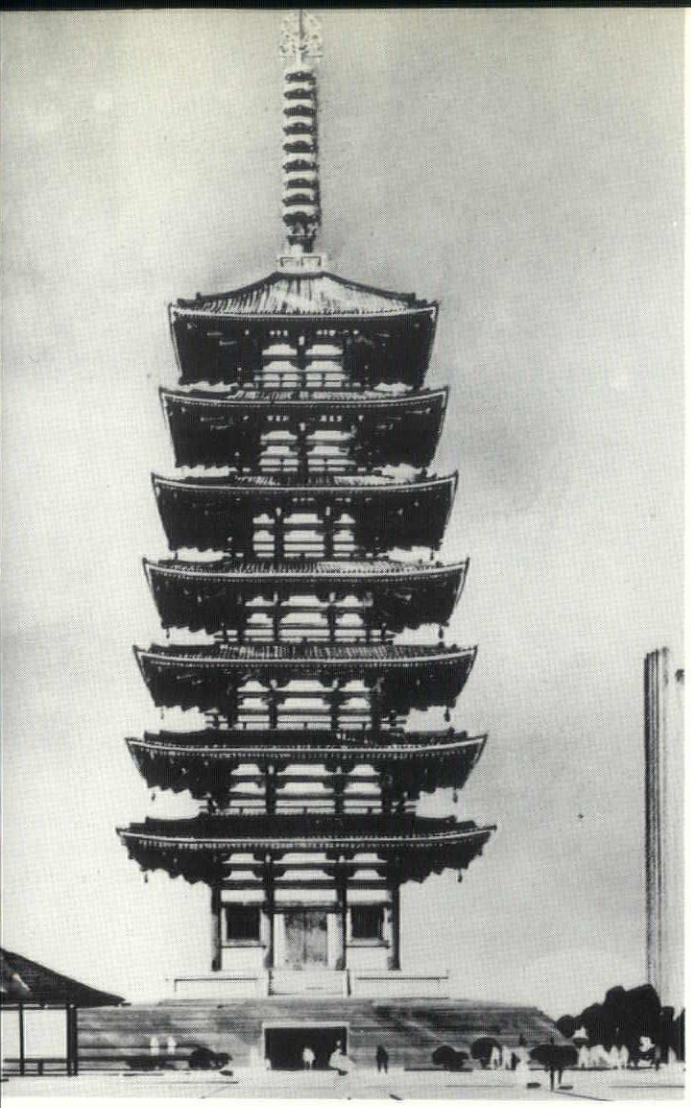
Participating in EXPO '70, the first world exposition to be held in Asia, are more than 70 foreign governments, as well as several international organizations, private corporations, and the Japanese government. There are serious, fun, and way-out designs, but all through the exposition the visitor will get a feeling of what life will be like for his children and grandchildren.

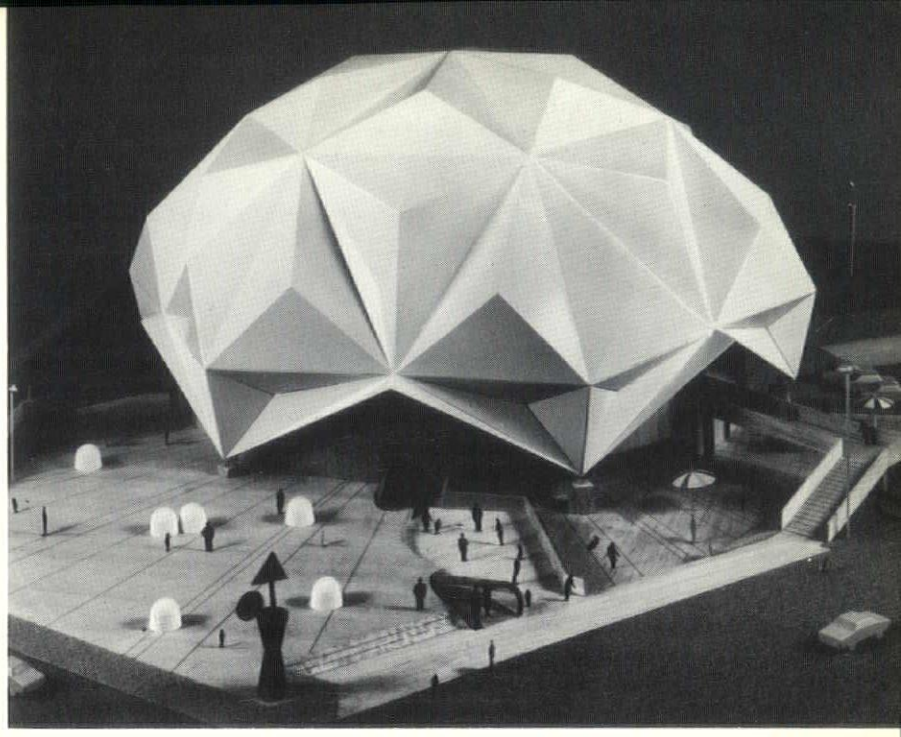
Themes and architecture are as varied as the participants. Three private American corporations have contributed to EXPO '70. One, "World Without Boundary," is an example of moon-age art — a total experience that involves all the senses, not just sight. At the Pepsi-Cola Pavilion the visitor may compose his own visual, aural and tactile experiences as he moves around. Individual head-sets and an intricate sound loop system will let the visitor to "World Without Boundary" experience different sounds as he walks across floor segments like grass, asphalt, wood, lead and stone. Highlight of the pavilion is a spherical mirror 90 feet in diameter, 210 degrees, the largest ever made. The mirror has the unique optical property of reproducing an image of the person as suspended in space. If the visitor faces the mirror surface closest to him, he will see an enlarged image of himself. Throughout the Pepsi Pavilion, the visitor is encourage to do his own thing — it's a complete sensory experience.

While "World Without Boundary" is a glimpse into the art of tomorrow, the U.S. Pavilion at EXPO '70 is an experiment in the architecture of the future. The pavilion is a shallow-domed, elliptical structure sunk partially into the ground and covered with an inflated fiberglass roof. The unusual roof, covering an area about the size of two football fields, will filter natural light during the day and glow with artificial light at night. The U.S. Pavilion is the lowest at the fair, while the Soviet Union Pavilion is the highest, soaring 130 feet into the sky.

Many of the other pavilions have taken advantage of the concept of experimental architecture. The Italian Pavilion is a striking combination of glass and steel that forms a series of interlocking slanted structures; while the Fugi Pan Robot Pavilion takes a futuristic look at "Children's Dreams" as seen through a forest, a town and a future world inhabited by robots. The Bulgarian Pavilion is architecturally representative of the Stana Planina mountain range that rises from the shore of the Black Sea. The pavilion consists of four pyramids each made of steel piping with one glass and two aluminum surfaces.

EXPO '70 is the Year of Japan and a gateway to tomorrow's world. From March 15 through September 13, the visitor to Osaka will delight in a model city of the future.

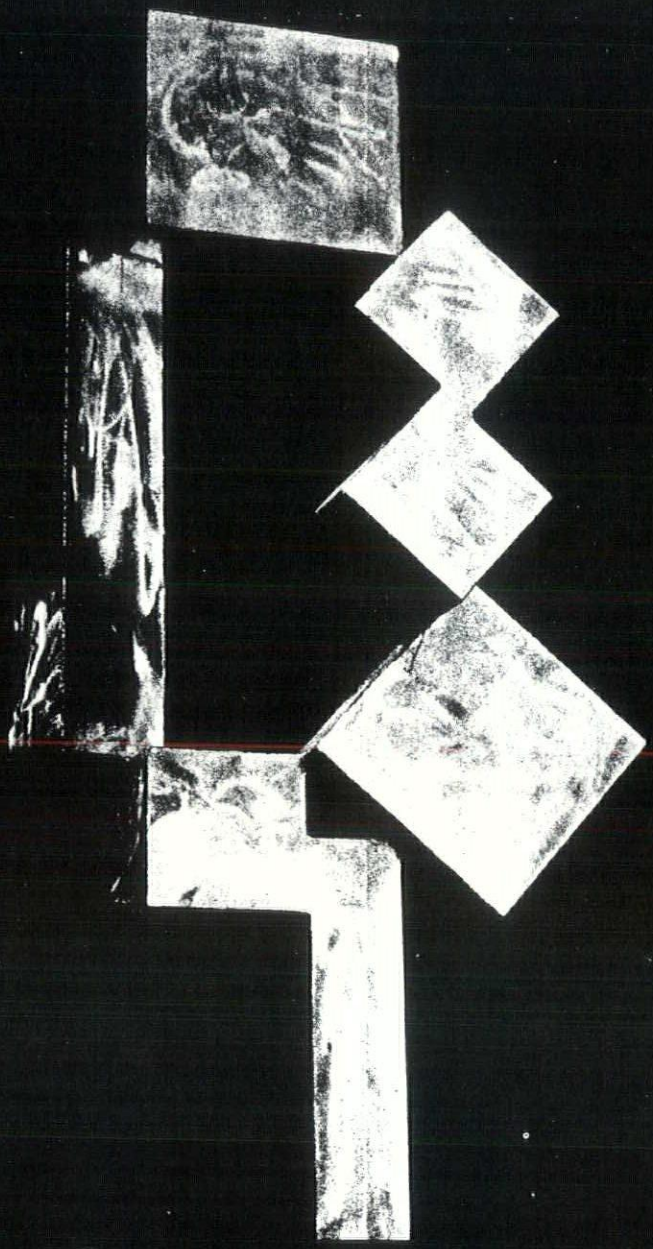




A "World Without Boundary" encourages the visitor to the Pepsi Pavilion to create his own visual, aural and tactile experiences. A cloud bank of fog will surround the pavilion day and night creating an aura of mystery and encouraging the visitor to "do his own thing."

Not forgetting the traditional, the Furukawa Pavilion presents the dreams of ancient and present-day Japan. Present-day dreams of Japan are depicted in a subterranean Computopia, while the pagoda represents all the tradition and culture of an ancient civilization.

The U.S. Pavilion features a translucent inflated roof. The interior, about the size of two football fields, will hold two levels of exhibitions, including "Images of America."



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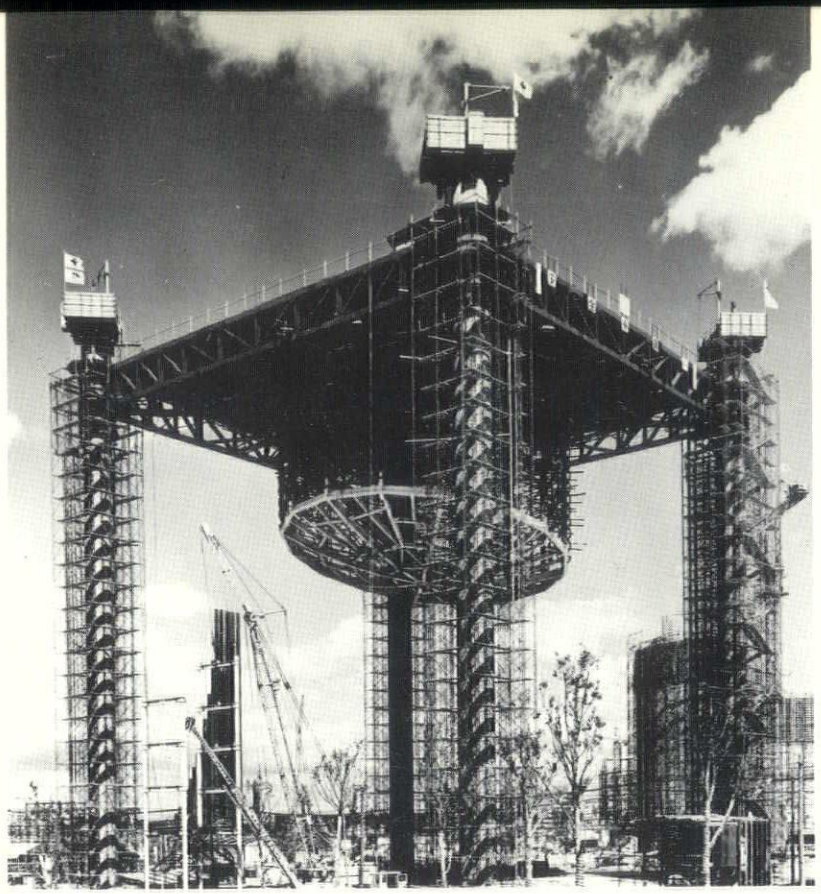
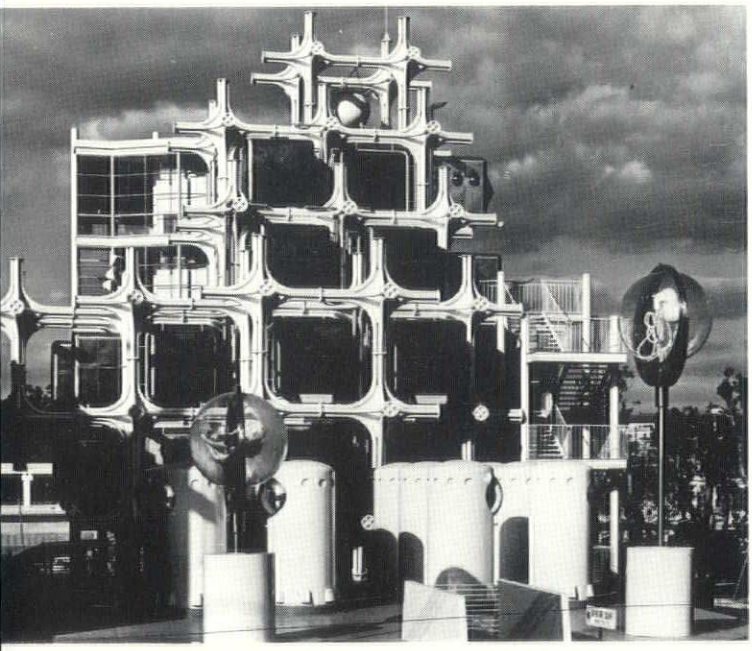
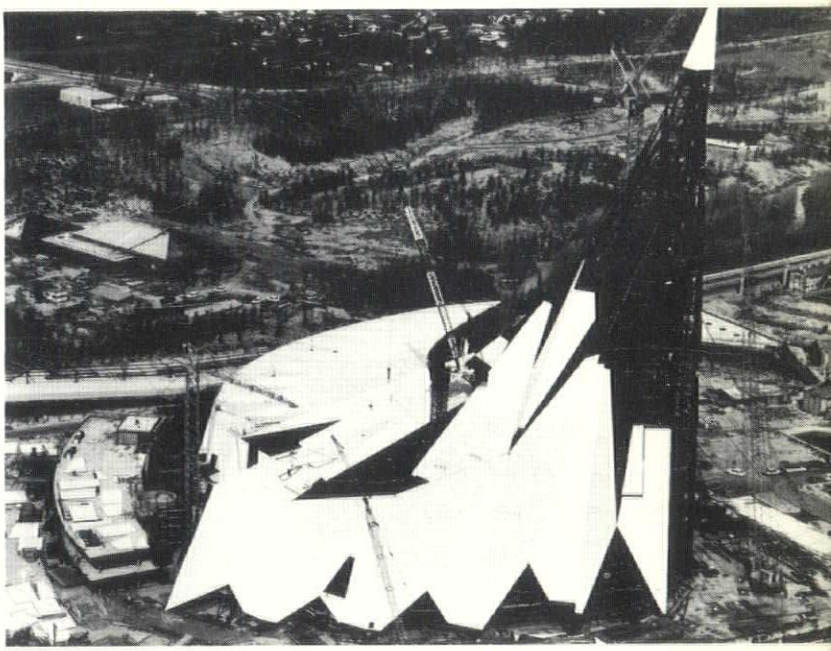


Electric Power Pavilion: Jointly sponsored by nine major power companies of Japan, the pavilion, nicknamed "Electorium," is a 1,000-ton structure suspended from four large steel columns 42 meters tall and 2.2 meters in diameter. Under the exhibition theme "Man and Energy," the pavilion, constructed by Takenaka Komuten, features audio-visual displays dealing with nuclear power generation. The building will house a movie theater where visitors will see a film entitled "Hunter of the Sun" on five large screens, each measuring 4.6 by 8.6 meters. At night, the brightly lit interior will be seen through semi-transparent walls. On a pond outside the Electorium will be a floating theater supported by three pneumatic beams.



Takara Group Pavilion: Exhibited by the Takara Group specializing in the manufacture of chairs, "Takara Beautilion" is an abstract 5-story structure. Under the theme "Joy of Being Beautiful," the glittering pavilion was designed to create a world of beauty and charm. The pavilion, above the ground level, is a pile of many 3.3-meter cubes framed with steel pipes and panels. The basement floor with 48 seats will invite visitors to the world of fantasy with the aid of background music, illustrations and film projection. The third floor, accessible from the basement by elevator, is a place for beauty-minded women. Fashion and hair-style shows will be held on a revolving stage.



USSR Pavilion: The 109-meter-tall steel pipe structure of the pavilion of Soviet Union, the largest of all the EXPO '70 pavilions, covers a floor space of 90,200 square feet. The pavilion will have a three-story section for exhibits, and will provide a movie theater and a fashion show room accommodating 800 and 600 persons, respectively. Built by Takenaka Komuten, the pavilion, under the theme of "Harmony of Man and Nature, Harmony of Individuals and Society," is shaped like a huge red flag, unfurling from a tall pole which is a cylinder consisting of steel pins connected with the help of diagonal connections. There are no columns inside the building and the largest span measures 64 meters.

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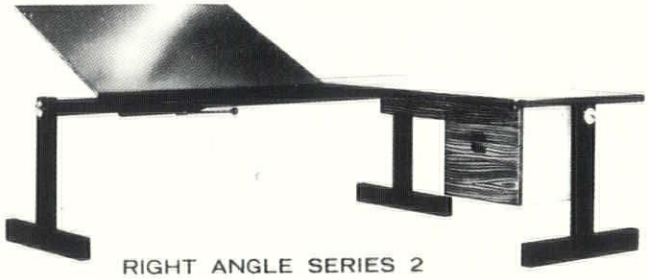

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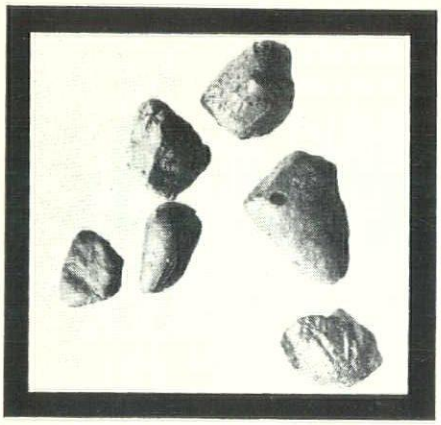

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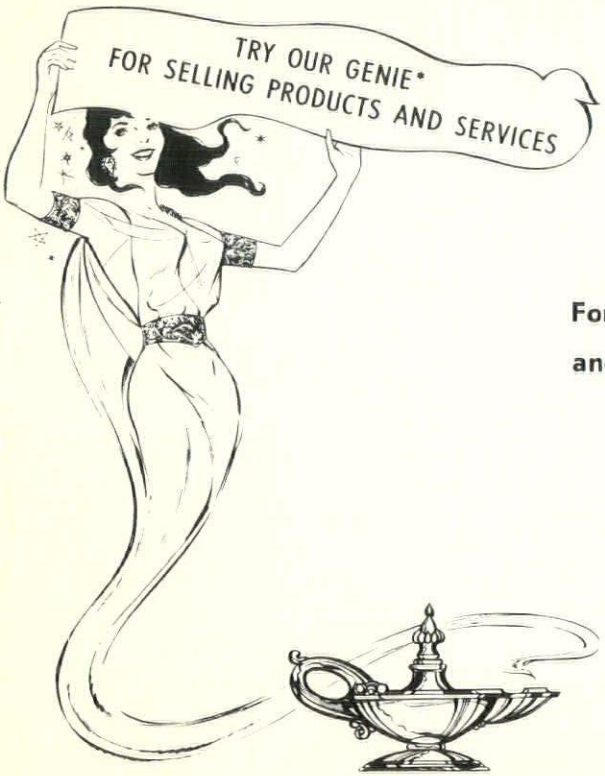

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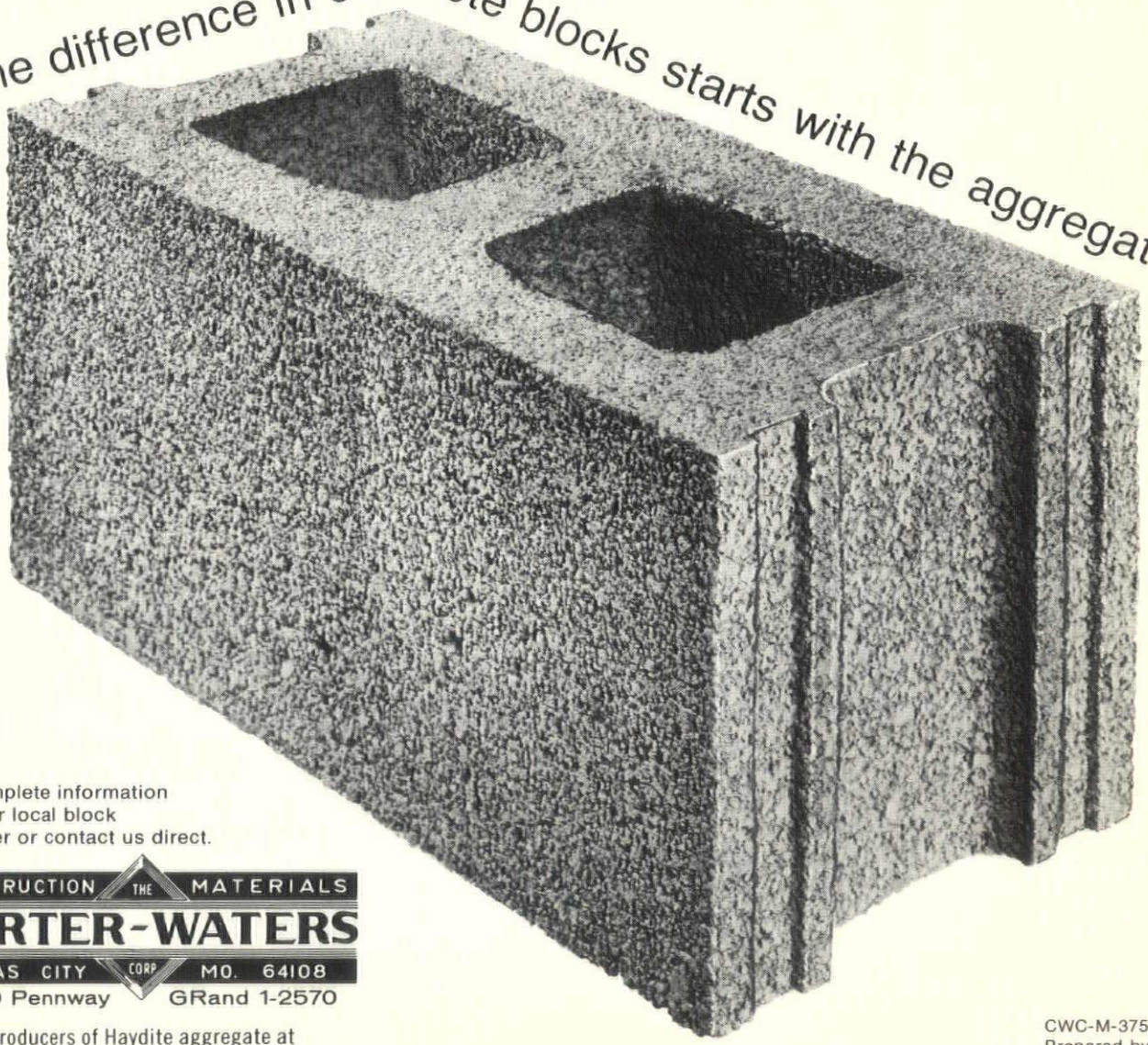

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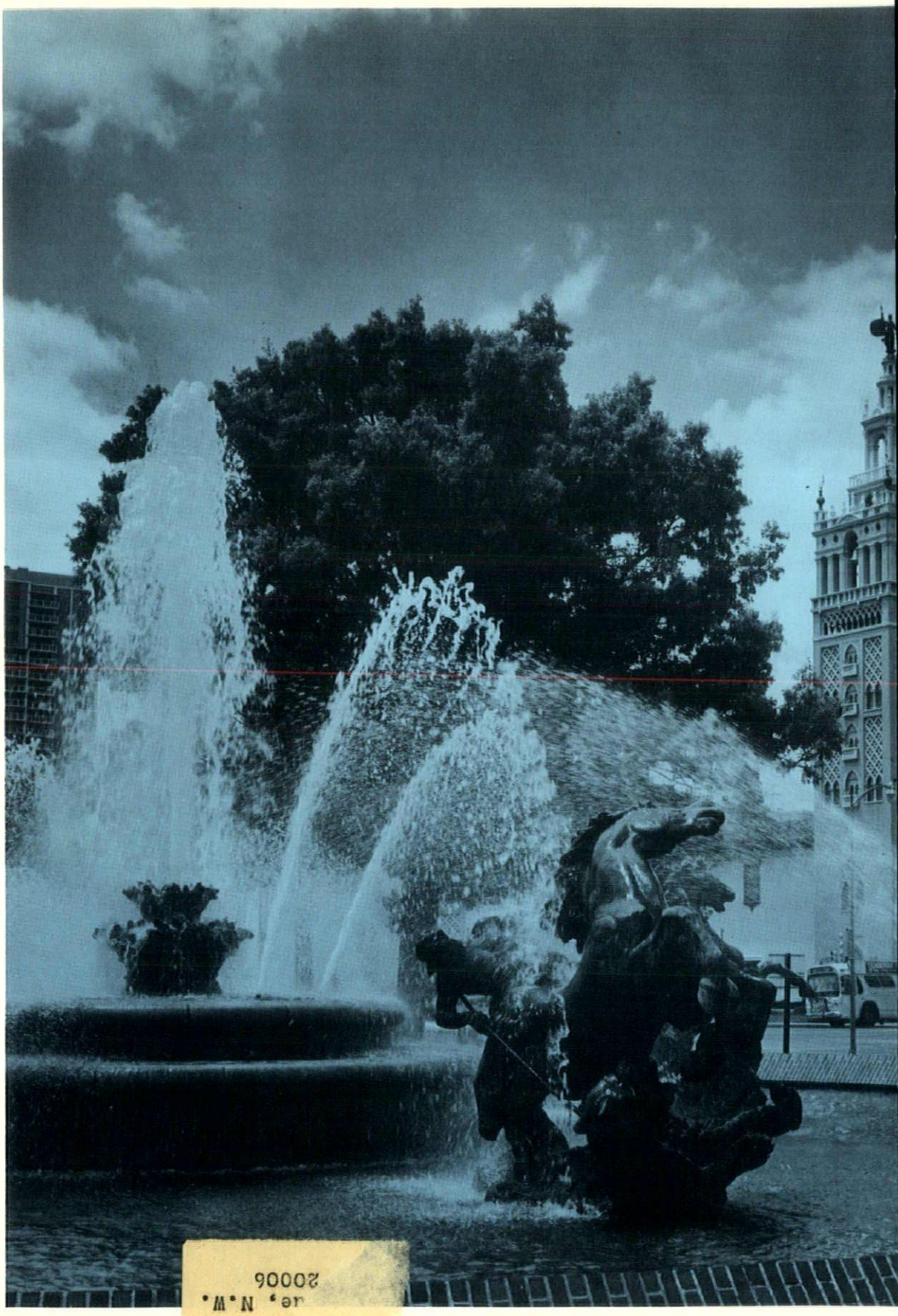

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